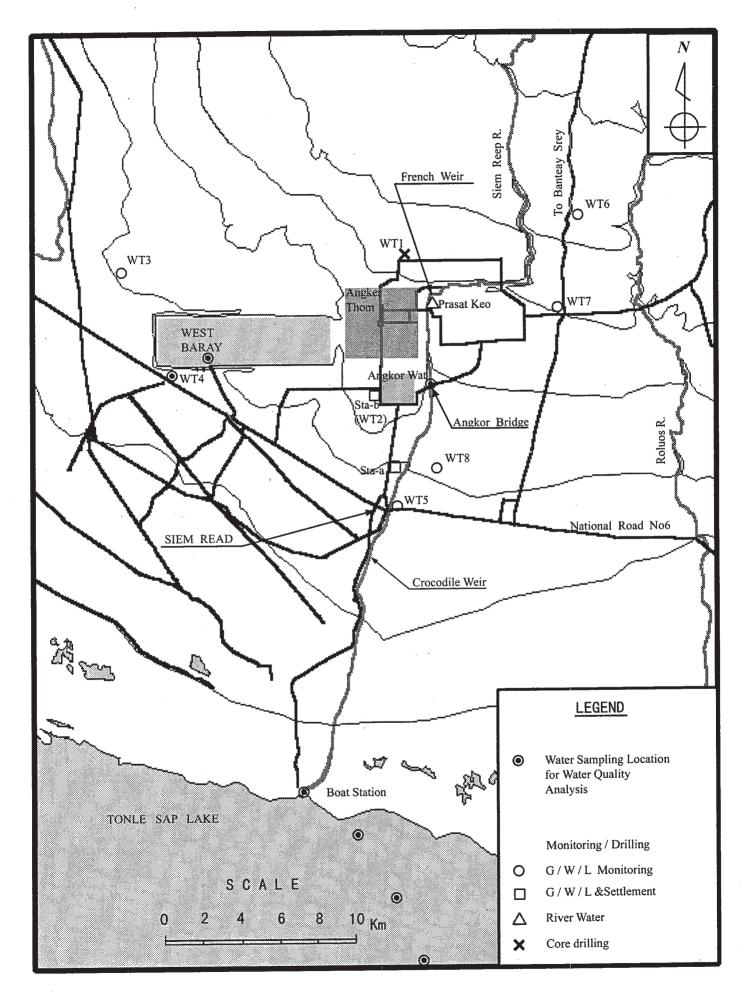
DATA BOOK 4

WATER QUALITY TEST DATA FOR THE EXISTING WELLS



Location Map of Water Quality Analysis D4-1

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A: Data carried out in Japan by Contract under Nippon Koei Co.,Ltd

a-1: Test Results of Siem Reap River Water taken at End January 1997 from the Angkor Bridge

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B: Data from the Contractor(SIAM TONE)

b-1: Test Results of Groundwater of WT4 well Taken at 4 June, 1997
b-2: Test Results of Groundwater of WT5 well Taken at 29 May, 1997
b-1: Test Results of Groundwater of WT6 well Taken at 14 June, 1997
b-1: Test Results of Groundwater of WT8 well Taken at 13 June, 1997

C: Data tested by Counterpart by Using JICA Equipment

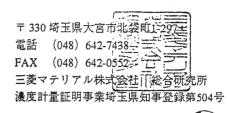
- c-1: Test Results of Groundwater of WT4 well Taken at 4 June 1997
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- D: Data tested by Counterpart by Using JICA Equipment(Groundwater) Well No.1 - No.79
- E: Data tested by Counterpart by Using JICA Equipment(Surface Water) Siem Reap River at Angkor Bridge, West Baray and Tonle Sap

平成9年2月19日

計量証明書

日本工営株式会社 コンサルタント事業本部 御中

考



環境計量士 杉 本 利 夫

	· · · · · · · · · · · · · · · · · · ·			
受付日 平成9年2月5日	受付番号	Y9702014	報告番号	17450
項目乀試料	Siem Reap River			検定方法
温度	17°C			JIS K 0102 7
pH	6.8			JIS K 0102 12.1
電気伝導率 µs/cm	15.8			JIS K 0102 13
硬度 mgCaCO 3 / ℓ	4.49			JIS K 0101 15.1.2
NO 2	1 未満			JIS K 0102 43.1.2
NO 3	1 未満			JIS K 0102 43.2
NH 4	0.07			JIS K 0102 42.2
Mn	0.07			JIS K 0102 56.2
Fe ²⁺	0.11	· · · · · · · · ·		JIS K 0102 57.1
Fe ³⁺	1.19			JIS K 0102 57.1,57.2
Cl	1.8			JIS K 0102 35.3
大腸菌群数 個/ml	不検出			厚生・建設省令1号
一般細菌 個/ml	不検出			JIS K 0102 72.2
総トリハロメタン	0.01未満			JIS K 0125 5.2
色度 度	44			JIS K 0102 11
T-Fe	1.3			JIS K 0102 57.2
単位:mg/ℓ				
備				
				担当者

平成9年7月14日

計量証明書

日本工営株式会社 国際事業部<u>都市・地域開発部</u>御中

〒 330 埼玉県大宮市北袋町1-297
電話 (048) 642-7438
FAX (048) 642-0552
三菱マテリアル株式会社 総合研究所
濃度計量証明事業均至現知事登録第504号

環境計量士 大 内 敏 郎

受付日 平成9年6月17日	受付番号	Y9706043	報告番号	19899	
 項目\試料	Sien Reap River			検定方法	
	23			JIS K 0102 7.2	
pH (23°C)	6.7			JIS K 0102 12.1	
電気伝導率 µs/cm	63			JIS K 0102 13	
硬度 mgCaCO 3 / ℓ	9.25			JIS K 0101 15.1.2	
NO 2	0.01			JIS K 0102 43.1.1	
NO 3	2.2			JIS K 0102 43.2	
NH 4	< 0.01			JIS K 0102 42.1,42.2	
Mn	< 0.01			JIS K 0102 56.4	
Fe ²⁺	< 0.03			JIS K 0102 57.1	
Fe ³⁺	< 0.03			(T-Fe - Fe ²⁺)	
Cl	6.2			JIS K 0102 35.3備考1	
大腸菌群数 個/ml	不検出			環告59号別表2	
一般細菌 個/ml	180			JIS K 0102 72.2	
T-Fe	< 0.03			JIS K 0125 57.3	
Са	3.16			JIS K 0102 50.3	
Mg	0.30			JIS K 0102 51.3	
Na	9.41			JIS K 0102 48.2	
As	0.001			JIS K 0125 61.2	
Cr ⁶⁺	< 0.01			JIS K 0102 65.2.1	
Pb	< 0.01			JIS K 0102 54.2	
Se	< 0.01			JIS K 0102 67.2	
T-Hg	< 0.0005			環告59号 付表3	
Cd	< 0.01			JIS K 0102 55.4	
Zn	< 0.01			JIS K 0102 53.3	
Cu	< 0.01			JIS K 0102 52.4	
CN	< 0.01			JIS K 0125 38.1.38.2	
色度(度)	試料不足				
単位:mg/ℓ				担当者	
備					
15					



บริษัท ดีเทอร์มิเนชั่น กรุ๊ป จำกัด Determination Group Co. . Ltd.

888/70 ณประชาราษฎร์บ่าเพ็ญ สามเสนนอก ห้วยขวาง กหม 10320 888/70 Pracharatbampen Rd. Samsennok Haukhang Bangkok.10320 โทรฯ 691–2293, 691–2568 โทรสาร. (662) 691–2568 Tet 691–2293,691–2568 Fax (662) 691–2568

	Laboratory No. 40312
PROJECT LAND SUBSIDENCE,	, SIEM REAP, CAMBODÍA
Well No. WT-4	
Sampling Methoo	Sampling date June 4,97
Remarks	

Ref No.	311-314/2540
Date	June 26,1997
Sample from	SIAM TONE CO.,LTD.
5/15 Moo 6(Km.15) Bangna-Trad,Bangcha-long Bangplee
Samutprakarn 10540	DTel 312-5281-300 Fax.(66-2)312-5304

Chemical characteristic	Result	Guidline Value*	Physical characteristic	Result	Guidline
Calcium (Ca)	0.0	-	рН	5.1	
Magnesium (Mg)	0.3		Specific Conductance**	44	••••••••••••••••••••••••••••••••••••••
Sodium (Na)	8.6	200		6.9	-
Potassium (K)	0.1		Color(Platinum cobal scale)		5
Ammonium (NH ₄)	1.6	1.5		15	15
Total Iron (Fe)	1.0	0.3	Note * Unit milligrame/cubicded	imeter (ma/	l iter)
Manganese (Mn)	0.03	0.1	**Unite microsiemen/cm. a		
Copper (Cu)	0.00	1.0			0010100
Zinc (Zn)		3			
Silica (SiO ₂)	14	•	Appearrance of water Small amou	nt of insolub	le matter
Carbonate (CO ₃)	0		Date July 1-4, 1		e maner.
Bicarbonate (HCO3)	11	 	Analysed by		
Carbondioxide gas(CO ₂)	140				
Chloride(Cl)	5.0	250	Approved and examined by	,	
Sulfate (SO₄)	2.0	250	Approved and examined by	10	
Nitrite (NO ₂)	0.003	3	S O D	J. Sm	8_
Nitrate (NO3)	1.8	50		Prayoonct	2-
Fluoride (F)	0.0	1.5	Mr. Charland	•	-
Total Hardness (as CaCO ₃)	1	-	I (The first of the first of th		10131011
Permanent Hardness (asCaCO ₃)	0		The above results are valid excl	usively for te	sted
Total Dissolved Solids (TDS)	39	1,000	/analysed samples as mentioned		

*Guidelines for drinking-water quality 2nd Volume1 Recommendations

World Health Organization, Geneva, 1993

Taking Date :04 June 97Location : WT 4Date of Analysis:05 June 9797Name of Analysts:Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.7		
2.pH		7.99	5.8 -8.6	6.5 - 8.5
3.Color		Yo +Mo	< 5	15 color units
4.Electric Conductivity	ms/m	3.45		
5.Hardness	mg /l	0.78	< 300	·
6.Nitrite (NO2-)	mg /l	0.007	< 10	10,000
7.Nitrate(NO3-)	mg /l	2.2	< 10	
8.Ammonium (NH4+)	mg /l	0.22		
9.Manganese (Mn+)	mg /l	0	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.47	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	3.6	< 200	< 250
12.Calcium(Ca+)	mg./l	0.16	< 300	
13.Magnesium (Mg+)	mg /l	0.05	< 300	
14.COD		9		
15.General Bacteria	nos/milli liter		< 100	
16.Coliform Group	nos/milli liter		0	0



บริษัท ดีเทอร์มิเนชั่น กรุ๊ป จำกัด Determination Group Co. , Ltd.

888/70 ถ.ประชาราษฎร์บ่าเพ็ญ สามเสนนอก ห้วยชวาง กทม 10320 888/70 Pracharatbampen Rd. Samsennok Haukhang Bangkok.10320 โหรฯ 691–2293, 691–2568 โหรสาร. (662) 691–2568 Tet 691–2293,691–2568 Fax (662) 691–2568

Lat	oratory No.	40311	Ref No. 311-314/2		
PROJECT LAND SUBSIDENCE. SIE	-		011/014/2		
Well No. WT-5	•		5 une 20,1		
Sampling Method	Sampling dat	e May 29,97		ONE CO.,	
Remarks	oumphing bat	e iviay 29,9,	- (to) Dungna-11		
			Samutprakarn 10540Tel 312-528	31-300 Fax.(66	-2)312-5304
Chemical characteristi	c Result	Guidline Value*	Physical characteristic	Result	Guidline
Calcium (Ca)	1.1	-	pH	10	
Magnesium (Mg)	1.7	-	Specific Conductance**	4.8	<u>-</u>
Sodium (Na)	8.1	200		61	
Potassium (K)	0.3	-	Color(Platinum cobal scale)	16 25	
Ammonium (NH₄)	2.0	1.5		23	15
Total Iron (Fe)	1.7	0.3	Note * Unit milligrame/cubicdec	imeter (movi	iter)
Manganese (Mn)	0.04	0.1	**Unite microsiemen/cm. at		
Copper (Cu)	0.00	1.0			0010103
Zinc (Zn)	-	3			
Silica (SiO ₂)	14	-	Appearrance of water Small amoun	it of precipit:	ated Iron
Carbonate (CO ₃)	0		Date July 1-4, 19		
Bicarbonate (HCO ₃)	11	-	Analysed by		
Carbondioxide gas(CO ₂)	279				
Chloride(Cl)	9.2	250	Approved and examined by	,	1
Sulfate (SO2)	2.1	250	Approved and examined by		
Nitrite (NO ₂)	0.005	3		Lon	!
Nitrate (NO ₃)	1.2	50	Mr.chapan	Prayoonch	
Fluoride (F)	0.0	1.5	Mr. Charan/		
Total Hardness (as CaCO3)	10				/151011
Permanent Hardness (asCaCO ₃)	1	 	The above results are valid exclu	sively for tes	ted
Total Dissolved Solids (TDS)	45	1,000	/analysed samples as mentioned		

*Guidelines for drinking-water quality 2nd Volume1 Recommendations

World Health Organization, Geneva, 1993

Taking Date :29 May 97Location : WT 5Date of Analysis:29 May 97Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.7		
2.pH		6.56	5.8 -8.6	6.5 - 8.5
3.Color		Yo +Mo	< 5	15 color units
4. Electric Conductivity	ms/m	4.6		
5.Hardness	mg /l	3.33	< 300	
6.Nitrite (NO2-)	mg /l	0.0099	< 10	10,000
7.Nitrate(NO3-)	mg /l	3.96	< 10	
8.Ammonium (NH4+)	mg /l	0.2193		
9.Manganese (Mn+)	mg /l	0.1	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	1.53	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	8	< 200	< 250
12.Calcium(Ca+)	mg /l	0.79	< 300	
13.Magnesium (Mg+)	mg /l	0.24	< 300	
14.COD		8		
15.General Bacteria	nos/milli liter	2	< 100	·
16.Coliform Group	nos/milli liter	0	0	0



บริษัท	ดีเทอ	ร์มิเนช้	้น	กรุ๊ป	จำกัด
Determ	ination	Group	Со	. , Ltd	f '*

888/70 ถ.ประชาราษฎร์บำเพ็ญ สามเสนแอก ห้วยชวาง กหม 10320 888/70 Pracharatbampen Rd. Samsennok Haukhang Bangkok.10320 โทรฯ 691–2293, 691–2568 โทรสาร. (662) 691–2568 Tet: 691–2293,691–2568 Fax: (662) 691–2568

		-	
Labora	atory No. 4	0314	F
PROJECT LAND SUBSIDENCE, SIEM	REAP, CAMB	ODIA	C
Well No. WT-6			9
Sampling Method	Sampling date	June14,97	E
Remarks			ę
Chemical characteristic	Result	Guidline Value*	Physic
Calcium (Ca)	1.1	-	рН
Magnesium (Mg)	1.7	-	Specific Con
Sodium (Na)	4.6	200	Turbidity(NT
Potassium (K)	0.2	-	Color(Platinu
Ammonium (NH₄)	1.8	1.5	
Total Iron (Fe)	2.7	0.3	Note
Manganese (Mn)	0.12	0.1	
Copper (Cu)	0.00	1.0	
Zinc (Zn)	-	3	
Silica (SiO ₂)	15	-	Appearrance
Carbonate (CO ₃)	0	-	Date
Bicarbonate (HCO ₃)	17	-	Analysed by
Carbondioxide gas(CO ₂)	216	_	
Chloride(Cl)	3.1	250	Approved a
Sulfate (SO ₄)	0.7	250	
Nitrite (NO ₂)	0.005	3	
Nitrate (NO_3)	0.7	50	
Fluoride (F)	0.0	1.5	
Total Hardness (as CaCO ₃)	10	-	
Permanent Hardness (asCaCO3)	0		The
Total Dissolved Solids (TDS)	36	1,000	12

Ref No.	311-314/2540				
Date	June 26,1997				
Sample from	SLAM TONE CO.,LTD.				
5/15 Moo 6(Km.15) Bangna-Trad,Bangcha-long Bangplee					
Samutprakarn 10	540Tel 312-5281-300 Fax.(66-2)312-5304				

Physical characteristic	Result	Guidline
рН	5.1	-
Specific Conductance**	38	-
Turbidity(NTU.)	16	5
Color(Platinum cobal scale)	12	15

* Unit milligrame/cubicdecimeter (mg/Liter)
 **Unite microsiemen/cm. at 25 degree celcius

Appearrance of water	Precipitated Iron
Date	July 1-4, 1997
Analysed by	
Approved and examined by	
ร์รี่มีกลิเพอร์มิเม	in the Long
33111	
	(Muchakan , Prayoonchan)
Beermination	Chemical and fesearch division
mination	Group Cos
The above results	are valid exclusively for tested
/analysed sample	s as mentioned in this report

*Guidelines for drinking-water quality 2nd Volume1 Recommendations World Health Organization, Geneva, 1993

Taking Date :14 June 97Location : WT 6Date of Analysis:16 June 97Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard for	International WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.6		
2.pH		5.22	5.8 -8.6	6.5 - 8.5
3.Color		Mo +Yo	< 5	15 color units
4.Electric Conductivity	ms/m	3.02		
5.Hardness	mg /l	7.75	< 300	
6.Nitrite (NO2-)	mg /l	0.003	< 10	10,000
7.Nitrate(NO3-)	mg /l	4.4	< 10	
8.Ammonium (NH4+)	mg /l	0.024		
9.Manganese (Mn+)	mg /l	0.4	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	3.04	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	1.7	< 200	< 250
12.Calcium(Ca+)	mg /l	1.95	< 300	
13.Magnesium (Mg+)	mg /l	0.6	< 300	
14.COD		15		<u></u>
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

7 Location : WT-7

Taking Date :20 June 97 Date of Analysis:21 June 97

Name of Analysts: Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard for Water Supply	International WHO Standard 1984
1.Temperature	Centigrade	31.400		
2.pH		5.710	5.8 -8.6	6.5 - 8.5
3.Color		C0 +M0	< 5	15 color units
4.Electric Conductivity	ms/m	5.190		
5.Hardness	mg /l	4.180	< 300	
6.Nitrite (NO2-)	mg /l		< 10	10,000
7.Nitrate(NO3-)	mg /l		< 10	
8.Ammonium (NH4+)	mg /l	0.150		
9.Manganese (Mn+)	mg /l	0.400	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.180		< 0.3
11.Chloride(Cl-)	mg /l	2.200	the second se	< 250
12.Calcium(Ca+)	mg /l	1.120		
13.Magnesium (Mg+)	mg /l	0.330	< 300	· · · · · · · · · · · · · · · · · · ·
14.COD		0.000	the second se	
15.General Bacteria	nos/milli liter	0		
16.Coliform Group	nos/milli liter	0	0	0



		Labo	ratory No.	40313
ļ	PROJECT LAND SUBSIDENCE,	SIEM	REAP, CAM	BODIA
	Well No. WT-8			
	Sampling Method		Sampling da	te June13,97
	Remarks			
1				

บริษัท ดีเทอร์มิเนชั่น กรุ๊ป จำกัด Determination Group Co. . Ltd.

888/70 **ถ.ประชาราษฎร์บำเพ็ญ สามเสนนอก ห้วยชวาง กทม** 10320 898/70 Pracharatbampen Rd. Sarrsennox Haukhang Bangkok.10320 โทรฯ 691–2293, 691–2568 **โทรสาร**. [662] 691–2568 Tel: 691–2293,691–2568 Fax: (662) 691–2568

Ref No.	311-314/2540
Date	June 26,1997
Sample from	SIAM TONE CO.,LTD.
5/15 Moo 6(Km.	15) Bangna-Trad.Bangcha-long Bangplee
Samutprakarn 10	540Tel 312-5281-300 Fax.(66-2)312-5304

Chemical characteristic	Result	Guidline Value*	Physical characteristic	Result	Guidline
Calcium (Ca)	16	-	рН	6.9	· ·
Magnesium (Mg)	2.6		Specific Conductance**	648	
Sodium (Na)	133	200	Turbidity(NTU.)	210	
Potassium (K)	2.1		Color(Platinum cobal scale)	210	15
Ammonium (NH_)	3.7	1.5		20	15
Total Iron (Fe)	2.8	0.3	Note * Unit milligrame/cubicded	imeter (maz	Liter)
Manganese (Mn)	0.02	0.1	**Unite microsiemen/cm. a		
Copper (Cu)	0.01	1.0			
Zinc (Zn)	-	3			
Silica (SiO ₂)	47		Appearrance of water Large amou	nt of insolub	le matter
Carbonate (CO_3)	0		Date July 1-4, 1		
Bicarbonate (HCO ₃)	312		Analysed by		
Carbondioxide gas(CO_2)	63	-			
Chloride(Cl)	11	250	Approved and examined by	1	
Sulfate (SO2)	70	250	Approved and examined by		
Nitrite (NO ₂)	0.004	3		2 L Sm	2
Nitrate (NO ₃)	0.6	50		Prayoonch	hart)
Fluoride (F)	0.2	1.5	Bergermination Grout		
Total Hardness (as CaCO₃)	50		Countrion Grout		
Permanent Hardness (asCaCO ₃)	0		The above results are valid excl	usively for te	sted
Total Dissolved Solids (TDS)	438	1,000	/analysed samples as mentione		

*Guidelines for drinking-water quality 2nd Volume1 Recommendations

World Health Organization, Geneva, 1993

Taking Date :13 June 97Location : WT 8Date of Analysis:14 June 9797Name of Analysts:Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.9		
2.pH	-	10.7	5.8 -8.6	6.5 - 8.5
3.Color		Co +Mo+Yo	< 5	15 color units
4.Electric Conductivity	ms/m	63		
5.Hardness	mg /l	180.5	< 300	
6.Nitrite (NO2-)	mg /l	0.4	< 10	10,000
7.Nitrate(NO3-)	mg /l	7.04	< 10	
8.Ammonium (NH4+)	mg /l	0.8		
9.Manganese (Mn+)	mg /l	8	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	4.35	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	27	< 200	< 250
12.Calcium(Ca+)	mg /l	48	< 300	
13.Magnesium (Mg+)	mg /l	15	< 300	
14.COD		8		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

Taking Date:15 Feb 97No.12 Location of Sample Taken: Chong Kao Su V. Slar Kram.C.S. R.DisDate of Analysis:20 February1997Name of Analysts:Mr. :Chan Seng La

ITEMS Unit Result Japan Standard International for WHO Water Supply Standard 1984 1.Temperature Centigrade 27 2.pH 5.83 5.8 -8.6 6.5 - 8.5 3.Color C0 + M0 < 5 15 color units 4. Electric Conductivity ms/m 11.88 5.Hardness mg /l 16 < 300 6.Nitrite (NO2-) mg /l 0.01 < 10 10,000 7.Nitrate(NO3-) mg /l 5.28 < 10 8.Ammonium (NH4+) mg /l 0.28 9.Manganese (Mn+) mg /l 0.3 < 0.05 < 0.1 10.Ferrite (Fe+) mg /l 0.38 < 0.3 < 0.3 11.Chloride(Cl-) mg /l 27.5 < 200 < 250 12.Calcium(Ca+) mg /l 4.2 < 300 13.Magnesium (Mg+) mg /l 1.33 < 300 14.COD 14 15.General Bacteria nos/milli liter 0\5 < 100 16.Coliform Group nos/milli liter 2\5 0 0

Location : Well No 12 A

Taking Date :13 June 97Location :Date of Analysis:16 June 97Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard for	International WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	32.1		
2.pH		6.7	5.8 -8.6	6.5 - 8.5
3.Color		Mo +Yo	< 5	15 color units
4.Electric Conductivity	ms/m	18.81		
5.Hardness	mg /l	11.25	< 300	
6.Nitrite (NO2-)	mg /l	0.008	< 10	10,000
7.Nitrate(NO3-)	mg /l	7.92	< 10	·····
8.Ammonium (NH4+)	mg /l	0.24		
9.Manganese (Mn+)	mg /l	0.8	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.69	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	42	< 200	< 250
12.Calcium(Ca+)	mg /l	2.95	< 300	
13.Magnesium (Mg+)	mg /l	0.9	< 300	
14.COD		10		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	· 0	0

Taking Date:14 Jan 97No.31 Location of Sample Taken:Chrev V.Chrev. C.Siem Reap.DisDate of Analysis:13 February 1997Name of Analysts:Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.9		
2.pH		5.93	5.8 -8.6	6.5 - 8.5
3.Color		C0 +M0	< 5	15 color units
4. Electric Conductivity	ms/m	11.21		
5.Hardness	mg /l	8	< 300	
6.Nitrite (NO2-)	mg /l	0.069	< 10	10,000
7.Nitrate(NO3-)	mg /l	3.9	< 10	10,000
8.Ammonium (NH4+)	mg /l	0.12		
9.Manganese (Mn+)	mg /l	0.1	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.03	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	3.8	< 200	< 250
12.Calcium(Ca+)	mg /l	2	< 300	~ 200
13.Magnesium (Mg+)	mg /l	0.5	< 300	
14.COD		42		
15.General Bacteria	nos/milli liter	0\5	< 100	
16.Coliform Group	nos/milli liter	2\5	0	0

Taking Date :17 June 97Location : Well No 31Date of Analyze:17 June 9797Name of AnalystMr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International WHO
			for Water Supply	Standard 1984
1.Temperature	Centigrade	29.8		
2.pH		5.83	5.8 -8.6	6.5 - 8.5
3.Color		Yo +Mo	< 5	15 color units
4. Electric Conductivity	ms/m	7.11		
5.Hardness	mg /l	2.45	< 300	
6.Nitrite (NO2-)	mg /l		< 10	10,000
7.Nitrate(NO3-)	mg /l		< 10	
8.Ammonium (NH4+)	mg /l	0.16		
9.Manganese (Mn+)	mg /l	0.6	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.17	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	3.5	< 200	< 250
12.Calcium(Ca+)	mg /l	0.6	< 300	
13.Magnesium (Mg+)	mg /l	0.2	< 300	
14.COD		5		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

Taking Date:07 Feb 97No.34 Location of Sample Taken:Po.V.Siem Reap. C.Siem Reap.DisDateof Analysis:24 February 1997Name of Analysts:Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	
			1 1	WHO
1.Temperature	Centigrade	20.0	Water Supply	Standard 1984
	Centigrade	28.8		
2.pH		5.35	5.8 -8.6	6.5 - 8.5
3.Color		<u>C0 +M0</u>	< 5	15 color units
4.Electric Conductivity	ms/m	5.37		
5.Hardness	mg /l	1.43	< 300	
6.Nitrite (NO2-)	mg /l	0.009	< 10	10,000
7.Nitrate(NO3-)	mg /l	2.2	< 10	10,000
8.Ammonium (NH4+)	mg /l	0.13		
9.Manganese (Mn+)	mg /l	0.1	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.32	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	10.3	< 200	< 250
12.Calcium(Ca+)	mg /l	0.36	< 300	
13.Magnesium (Mg+)	mg /l	0.12	< 300	
14.COD		20		
15.General Bacteria	nos/milli liter	0\5	< 100	
16.Coliform Group	nos/milli liter	5\5	0	0

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Taking Date :17 June 97Location : Well No 34Date of Analyze:17 June 9797Name of AnalystMr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard for	International WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	27.9		
2.pH		4.9	5.8 -8.6	6.5 - 8.5
3.Color		Yo +Mo	< 5	15 color units
4. Electric Conductivity	ms/m	4.69		
5.Hardness	mg /l	1.5	< 300	
6.Nitrite (NO2-)	mg /l		< 10	10,000
7.Nitrate(NO3-)	mg /l		< 10	
8.Ammonium (NH4+)	mg /l	0.2		
9.Manganese (Mn+)	mg /l	0.5	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.91	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	9.2	< 200	< 250
12.Calcium(Ca+)	mg /l	0.12	< 300	
13.Magnesium (Mg+)	mg /l	0.4	< 300	
14.COD		8		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

D4-19

No.63 Location of Sample Taken:Koktadi V.Preyxhmeng C.Pouk. Dis Taking Date :22 Jan 97 Date of Analysis:30 January 1997 Name of Analysts: M Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International
			for	WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	24.7		
2.pH		5.96	5.8 -8.6	6.5 - 8.5
3.Color		C0 +M0	< 5	15 color units
4.Electric Conductivity	ms/m	108		
5.Hardness	mg /l	2.77	< 300	
6.Nitrite (NO2-)	mg /l	0.016	< 10	10,000
7.Nitrate(NO3-)	mg /l	1.76	< 10	
8.Ammonium (NH4+)	mg /l	0.45		
9.Manganese (Mn+)	mg /l	0.1	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.85	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	18.5	< 200	< 250
12.Calcium(Ca+)	mg /l	2.33	< 300	
13.Magnesium (Mg+)	mg /l	0.44	< 300	
14.COD		16		
15.General Bacteria	nos/milli liter	0\5	< 100	
16.Coliform Group	nos/milli liter	5\5	0	0

D4-20

Taking Date :17 June 97Location : Well No 63Date of Analyze:18 June 97Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard	International WHO
			for Water Supply	Standard 1984
1.Temperature	Centigrade	29.4		
2.pH		5.82	5.8 -8.6	6.5 - 8.5
3.Color		Y5+Mo	< 5	15 color units
4.Electric Conductivity	ms/m	13.8		
5.Hardness	mg /l	9	< 300	
6.Nitrite (NO2-)	mg /l		< 10	10,000
7.Nitrate(NO3-)	mg /l		< 10	
8.Ammonium (NH4+)	mg /l	0.38		
9.Manganese (Mn+)	mg /l	0.5	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	1.92	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	25	< 200	< 250
12.Calcium(Ca+)	mg /l	2.34	< 300	
13.Magnesium (Mg+)	mg /l	0.76	< 300	
14.COD		12		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

Temperature (Jan-Feb)

Well No	Туре	T (°C)	Well No	Туре	T (°C)
1	Dug (No protection)	25.70	41	HP	28.60
2	Dug (No protection)	24.90	42	MP	29.90
3	Dug	31.00	43	MP	28.00
4	Dug	25.50	44	MP	29.00
5	Dug	27.00	45	MP	29.50
6	Dug	25.00	46	MP	29.30
7	Dug	25.50	47	MP	28.20
8	Dug	25.80	48	HP	29.50
9	Dug	26.60	49	HP	29.00
10	HP	28.70	50	Dug	26.00
11	Dug	25.40	51	Dug	26.80
12	Dug	26.30	52	Dug	27.60
13	HP	28.50	53	Dug	27.60
14	MP	28.50	54	Dug (No protection)	28.05
15	MP	27.20	55	Dug	27.10
16	Dug	25.40	56	Dug (No protection)	27.20
17	MP	26.40	57	Dug	27.20
18	Dug	24.60	58	Dug	26.10
19	Dug	25.30	59	Dug	27.50
20	HP	27.80	60	Dug	26.10
21	HP	27.40	61	Dug	27.50
22	Dug	27.70	62	Dug	26.10
23	HP	28.80	63	Dug	26.50
24	Dug	27.00	64	Dug	27.30
25	Dug	27.60	65	Dug	26.80
26	Dug (No protection)	26.10	66	HP	29.50
27	Dug	26.80	67	HP	29.00
28	Dug	26.40	68	Dug (No protection)	26.20
29	Dug	25.80	69	HP	29.80
30	Dug	27.60	70	Dug	27.40
31	Dug	27.00	71	Dug	27.20
32	Dug (No protection)	26.10	72	HP	27.70
33	HP	27.20	73	HP	27.80
34	HP	27.60	74	Dug	26.80
35	Dug	25.60	75	Dug	27.40
36	HP	28.20	76	HP	27.90
37	HP	29.20	77	HP	28.20
38	Dug	27.20	78	Dug	26.20
39	Dug	26.60	79	Dug	26.70
40	Dug	25.20			

Color (Jan - Feb)

Well No	Туре	Color	Well No	Туре	Color
1	Dug (No protection)	Co+Yo	41	HP	Co+Mo
2	Dug (No protection)	Co+Yo	42	MP	Yo+Mo
3	Dug	Co+Yo	43	MP	Yo+Mo
4	Dug	Co+Yo	44	MP	Yo+Mo
5	Dug	Blo+Yo	45	MP	Yo+Mo
6	Dug	Co+Mo	46	MP	Yo+Mo
7	Dug	Co+Mo	47	MP	Yo+Mo
8	Dug	Co+Mo	48	HP	Yo+Mo
9	Dug	Co+Mo	49	HP	Yo+Mo
10	HP	Co+Yo	50	Dug	Yo+Mo
11	Dug	Co+Mo	51	Dug	Co+Mo
12	Dug	Co+Mo	52	Dug	Co+Mo
13	HP	BLo+Y5	53	Dug	Co+Mo
14	MP	Co+Mo	54	Dug (No protection)	Co+Mo
15	MP	Y80+M5	55	Dug	Co+Mo
16	Dug	Co+Mo	56	Dug (No protection)	Co+Mo
17	MP	Co+Mo	57	Dug	Co+Mo
18	Dug	BL5+Y10	58	Dug	Co+Mo
19	Dug	Co+Mo	59	Dug	Co+Mo
20	HP	Co+Mo	60	Dug	Y5+M5
21	HP	Co+Mo	61	Dug	Co+Mo
22	Dug	Co+Mo	62	Dug	Y90+M50
23	HP	Co+Mo	63	Dug	Co+Mo
24	Dug	Co+Mo	64	Dug	Co+Mo
25	Dug	Co+Mo	65	Dug	Co+Mo
26	Dug (No protection)	Co+Mo	66	HP	Co+Mo
27	Dug	Co+Mo	67	HP	Co+Mo
28	Dug	Y5+M0.5	68	Dug (No protection)	Co+Mo
29	Dug	Co+Mo	69	HP	Co+Mo
30	Dug	Co+Mo	70	Dug	Co+Mo
31	Dug	Co+Mo	71	Dug	Co+Mo
32	Dug (No protection)	Y20+M10	72	HP	Co+Mo
33	HP	Co+Mo	73	HP	Co+Mo
34	HP	Co+Mo	74	Dug	Co+Mo
35	Dug	Co+Mo	75	Dug	Co+Mo
36	HP	Co+Mo	76	HP	Co+Mo
30	HP	Co+Mo	77	HP	Co+Mo
38	Dug	Co+Mo	78	Dug	Co+Mo
	Dug	Co+Mo	79	Dug	Co+Mo
<u>39</u> 40	Dug	Co+M0.5			

Hardness (Jan - Feb)

Well No	Туре	Hardness,mg/l	Well No	Туре	Hardness, mg/l
1	Dug (No protection)	1.88	41	HP	6.15
2	Dug (No protection)	4.75	42	MP	96.00
3	Dug	3.62	43	MP	5.40
4	Dug	3.57	44	MP	2.95
5	Dug	2.77	45	MP	4.40
6	Dug	3.45	46	MP	44.70
7	Dug	. 7.77	47	MP	175.00
8	Dug	6.88	48	HP	1.68
9	Dug	7.25	49	HP	1.21
10	HP	75.20	50	Dug	1.65
11	Dug	2.95	51	Dug	2.67
12	Dug	16.00	52	Dug	13.70
13	HP	9.66	53	Dug	2.61
14	MP	11.36	54	Dug (No protection)	3.50
15	MP	8.26	55	Dug	9.95
16	Dug	1.40	56	Dug (No protection)	1.90
17	MP	8.62	57	Dug	11.80
18	Dug	0.47	58	Dug	18.35
19	Dug	6.88	59	Dug	270.00
20	HP	10.94	60	Dug	11.67
21	HP	13.32	61	Dug	0.81
22	Dug	17.72	62	Dug	2.18
23	HP	31.60	63	Dug	2.77
24	Dug	10.64	64	Dug	0.94
25	Dug	3.92	65	Dug	3.62
26	Dug (No protection)	4.96	66	HP	1.21
27	Dug	2.96	67	HP	1.37
28	Dug	69.00	68	Dug (No protection)	3.73
29	Dug	3.70	69	HP	0.57
30	Dug	1.52	70	Dug	3.65
31	Dug	8.00	71	Dug	1.01
32	Dug (No protection)	5.36	72	HP	0.17
33	HP	1.18	73	HP	0.01
34	HP	1.43	74	Dug	0.00
35	Dug	49.60	75	Dug	0.00
36	HP	1.48	76	HP	0.44
37	HP	1.80	77	HP	0.36
38	Dug	28.70	78	Dug	0.01
39	Dug	31.60	79	Dug	0.01
40	Dug	55.70			

Well No	Туре	рН	Well No	Туре	рН
1	Dug (No protection)	5.00	41	HP	5.10
2	Dug (No protection)	4.70	42	MP	4.50
3	Dug	5.60	43	MP	5.40
4	Dug	5.00	44	MP	5.10
5	Dug	5.50	45	MP	4.80
6	Dug	6.40	46	MP	5.70
7	Dug	6.00	47	MP	4.90
8	Dug	6.40	48	HP	5.00
9	Dug	6.70	49	HP	5.20
10	HP	5.60	50	Dug	5.90
11	Dug	5.90	51	Dug	5.90
12	Dug	5.10	52	Dug	5.20
13	HP	5.10	53	Dug	5.50
14	MP	4.90	54	Dug (No protection)	5.10
15	MP	4.40	55	Dug	5.70
16	Dug	6.00	56	Dug (No protection)	5.00
17	MP	6.40	57	Dug	6.70
18	Dug	5.30	58	Dug	5.30
19	Dug	5.60	59	Dug	6.50
20	HP	5.00	60	Dug	4.50
21	HP	5.00	61	Dug	5.50
22	Dug	5.2	62	Dug	6.30
23	HP	5.5	0 63	Dug	5.70
24	Dug	6.0	0 64	Dug	5.70
25	Dug	6.2	0 65	Dug	6.20
26	Dug (No protection)	4.8	0 66	HP	5.20
27	Dug	6.1	0 67	HP	7.30
28	Dug	6.7	0 68	Dug (No protection)	
29	Dug	6.1	0 69	HP	5.10
30	Dug	5.6	0 70	Dug	6.30
31	Dug	5.7	0 71	Dug	6.70
32	Dug (No protection)	6.5	0 72	HP	5.10
33	HP	5.3	0 73	HP	5.90
34	HP	4.7	0 74	Dug	5.70
35	Dug	5.7	'0 75	Dug	5.70
36	HP	5.8	10 76	HP	5.00
37	HP	5.8	30 77	HP	4.90
38	Dug	5.7	70 78	Dug	5.90
39	Dug	5.7	70 79	Dug	5.90
40	Dug	6.4	10		

pH (Jan-Feb)

Well No	Туре	EC (ms/m)	Well No	Туре	EC (ms/m)
1	Dug (No protection)	1.77	41	HP	12.82
2	Dug (No protection)	51.00	42	MP	51.30
3	Dug	3.45	43	MP	5.26
4	Dug	30.90	44	MP	4.54
5	Dug	30.60	45	MP	3.37
6	Dug	17.11	46	MP	36.10
7	Dug	17.63	47	MP	15.64
8	Dug	18.25	48	HP	2.67
9	Dug	24.30	49	HP	3.50
10	HP	3.11	50	Dug	166.90
11	Dug	18.91	51	Dug	21.90
12	Dug	13.67	52	Dug	34.30
13	HP	9.91	53	Dug	6.53
14	MP	7.50	54	Dug (No protection)	3.89
15	MP	30.40	55	Dug	17.08
16	Dug	87.00	56	Dug (No protection)	2.65
17	MP	15.58	57	Dug	24.80
18	Dug	4.89	58	Dug	24.50
19	Dug	69.50	59	Dug	150.70
20	HP	30.00	60	Dug	30.70
21	HP	25.30	61	Dug	8.44
22	Dug	27.70	62	Dug	27.80
23	HP	3.57	63	Dug	9.16
24	Dug	6.92	64	Dug	11.60
25	Dug	7.06	65	Dug	13.25
26	Dug (No protection)	6.06	66	HP	8.83
27	Dug	10.46	67	HP	5.39
28	Dug	84.10	68	Dug (No protection)	35.80
29	Dug	13.98	69	HP	1.92
30	Dug	6.03	70	Dug	8.27
31	Dug	12.25	71	Dug	19.77
32	Dug (No protection)	15.39	72	HP	3.31
33	HP	4.25	73	HP	6.19
34	HP	4.81	74	Dug	10.41
35	Dug	68.90	75	Dug	8.79
-36	HP	6.43	76	HP	2.63
37	HP	12.20	77	HP	8.94
38	Dug	15.27	78	Dug	39.50
39	Dug	26.10	79	Dug	18.68
40	Dug	30.00			

Electric Conductivity(Jan-Feb)

Nitrit(NO2) (Jan - Feb)

Well No	Туре	Nitrit (mg/l)	Well No	Туре	Nitrit (mg/l)
1	Dug (No protection)	0.009	41	HP	0.006
2	Dug (No protection)	0.039	42	MP	0.010
23	Dug	0.003	43	MP	0.006
4	Dug	0.029	44	MP	0.010
5	Dug	0.016	45	MP	0.013
6	Dug	0.010	46	MP	0.023
7	Dug	0.030	47	MP	0.010
8	Dug	0.003	48	HP	0.013
9	Dug	0.009	49	HP	0.003
10	HP	0.006	5 50	Dug	0.009
11	Dug	0.000	0 51	Dug	0.050
12	Dug	0.01	0 52	Dug	0.026
12	HP	0.06	0 53	Dug	0.090
14	MP	0.00	9 54	Dug (No protection)	0.009
14	MP	0.02	3 55	Dug	0.023
16	Dug	0.28	0 56	Dug (No protection)	
17	MP	0.00	6 57	Dug	0.006
18	Dug	0.05	59 58	Dug	0.009
19	Dug	0.07	7 6 59	Dug	0.300
20	HP	0.02	23 60	Dug	0.100
20	HP	0.73	3 0 61	Dug	0.003
22	Dug	0.0	03 62	Dug	0.000
23	HP	0.0	06 63	Dug	0.016
24	Dug	0.0	32 64	Dug	0.019
25	Dug	0.0	09 65	Dug	0.023
26	Dug (No protectio	on) 0.0	09 66	HP	0.006
27	Dug		06 67	HP	0.006
28	Dug	0.0	60 68	Dug (No protectio	
20	Dug	0.0	015 69	HP	0.013
30	Dug	0.0	006 70	Dug	0.023
31	Dug	0.0	069 71	Dug	0.003
32		ion) 0.	013 72	HP	0.001
33			006 73	HP	0.001
34		0.	009 74	Dug	0.003
35		0.	700 75	Dug	0.000
36		0.	.013 76	HP	0.002
30		0	.010 77	HP	0.003
		0	.010 78	B Dug	0.000
38		0	.023 79) Dug	0.007
39			.006		

Well No	Туре	Nitrate (mg/l)	Well No	Туре	Nitrate (mg/l)
1	Dug (No protection)	3.08	41	HP	5.72
2	Dug (No protection)	0.00	42	MP	3.52
3	Dug	1.32	43	MP	5.72
4	Dug	2.64	44	MP	4.40
5	Dug	2.64	45	MP	3.52
6	Dug	2.64	46	MP	5.28
7	Dug	3.08	47	MP	16.72
8	Dug	2.64	48	HP	3.08
9	Dug	2.20	49	HP	3.96
10	HP	10.56	50	Dug	2.64
11	Dug	0.80	51	Dug	3.52
12	Dug	5.28	52	Dug	3.90
13	HP	6.16	53	Dug	6.60
14	MP	2.64	54	Dug (No protection)	7.48
15	MP	0.00	55	Dug	10.12
16	Dug	0.23	56	Dug (No protection)	3.96
17	MP	4.84	57	Dug	3.08
18	Dug	0.00	58	Dug	4.84
19	Dug	11.88	59	Dug	9.24
20	HP	6.60	60	Dug	7.48
21	HP	5.72	61	Dug	1.32
22	Dug	5.28	62	Dug	0.00
23	HP	5.72	63	Dug	1.76
24	Dug	4.40	64	Dug	3.52
25	Dug	4.40	65	Dug	2.64
26	Dug (No protection)	0.88	66	HP	3.52
27	Dug	3.96	67	HP	5.28
28	Dug	0.97	68	Dug (No protection)	6.16
29	Dug	7.04	69	HP	2.64
30	Dug	3.52	70	Dug	1.20
31	Dug	3.90	71	Dug	0.80
32	Dug (No protection)	4.40	72	HP	0.00
33	HP	3.96	73	HP	0.40
34	HP	2.20	74	Dug	0.70
35	Dug	3.52	75	Dug	0.10
36	HP	3.52	76	HP	0.00
37	HP	3.52	77	HP	0.50
38	Dug	4.84	78	Dug	0.00
39	Dug	3.52	79	Dug	0.00
40	Dug	4.84			

Nitrate(NO3) (Jan - Feb)

Amonium(NH4) (Jan - Feb)

Well No	Туре	NH4 (mg/l)	Well No	Туре	NH4 (mg/l)
1	Dug (No protection)	0.14	41	HP	0.23
2	Dug (No protection)	0.47	42	MP	0.65
3	Dug	0.20	43	MP	0.25
4	Dug	0.19	44	MP	0.20
5	Dug	0.22	45	MP	0.13
6	Dug	0.14	46	MP	2.60
7	Dug	0.25	47	MP	0.18
8	Dug	0.02	48	HP	0.16
9	Dug	0.11	49	HP	. 0.19
10	HP	0.11	50	Dug	0.23
11	Dug	2.90	51	Dug	0.50
12	Dug	0.28	52	Dug	0.19
13	HP	0.24	53	Dug	0.14
14	MP	0.34	54	Dug (No protection)	0.12
15	MP	0.41	55	Dug	0.17
16	Dug	0.00	56	Dug (No protection)	0.14
17	MP	0.18	57	Dug	0.19
18	Dug	0.13	58	Dug	0.18
19	Dug	0.59	59	Dug	0.16
20	HP	0.26	60	Dug	0.98
21	HP	0.13	61	Dug	0.13
22	Dug	0.37	62	Dug	0.55
23	HP	0.16	63	Dug	0.45
24	Dug	0.14	64	Dug	0.13
25	Dug	0.24	65	Dug	0.21
26	Dug (No protection)	0.15	66	HP	0.17
27	Dug	0.10	67	HP	0.25
28	Dug	0.8	7 68	Dug (No protection)	0.27
29	Dug	0.2	5 69	<u> </u>	0.22
30	Dug	0.1	3 70	Dug	0.01
31	Dug	0.1		Dug	0.11
32	Dug (No protection)	0.4		HP	0.16
33	HP	0.1		HP	0.12
34	HP	0.1		Dug	0.01
35	Dug	0.2		Dug	0.09
36	HP	0.1	2 76	HP	0.1
37	HP	0.3	0 77	HP	0.10
38	Dug	0.1	4 78	Dug	0.4
39	Dug	0.2	4 79	Dug	0.24
40	Dug	0.1	3		

Manganess(Mn) (Jan - Feb)

Well No	Туре	Mn (mg/l)	Well No	Туре	Mn (mg/l)
1	Dug (No protection)	0.10	41	HP	0.00
2	Dug (No protection)	0.30	42	MP	0.50
3	Dug	0.30	43	MP	0.00
4	Dug	0.70	44	MP	0.20
5	Dug	2.00	45	MP	0.10
6	Dug	0.00	46	MP	0.40
7	Dug	. 0.00	47	MP	0.20
8	Dug	0.00	48	HP	0.10
9	Dug	0.00	49	HP	0.10
10	HP	0.00	50	Dug	0.00
11	Dug	0.00	51	Dug	0.30
12	Dug	0.30	52	Dug	0.50
13	HP	0.30	53	Dug	0.10
14	MP	0.10	54	Dug (No protection)	0.20
15	MP	0.50	55	Dug	0.30
16	Dug	0.01	56	Dug (No protection)	0.10
17	MP	0.00	57	Dug	0.00
18	Dug	0.00	58	Dug	0.40
19	Dug	1.20	59	Dug	0.80
20	HP	0.20	60	Dug	0.80
21	HP	0.20	61	Dug	0.10
22	Dug	0.50	62	Dug	5.60
23	HP	0.00	63	Dug	0.10
24	Dug	0.10	64	Dug	0.00
25	Dug	0.10	65	Dug	0.10
26	Dug (No protection)	0.10	66	HP	0.10
27	Dug	0.20	67	HP	0.10
28	Dug	0.10	68	Dug (No protection)	3.90
29	Dug	0.10	69	HP	0.00
30	Dug	0.00	70	Dug	0.10
31	Dug	0.10	71	Dug	0.40
32	Dug (No protection)	1.40	72	HP	0.10
33	HP	0.00	73	HP	0.10
34	HP	0.10	74	Dug	0.20
35	Dug	4.10	75	Dug	0.20
. 36	HP	0.10	76	HP	0.10
37	HP	0.00	77	HP	0.30
38	Dug	0.50	78	Dug	0.20
39	Dug	0.10	79	Dug	0.40
40	Dug	0.00			

Well No	Туре	Fe (mg/l)	Well No	Туре	Fe(mg/l)
1	Dug (No protection)	0.03	41	HP	0.25
2	Dug (No protection)	0.42	42	MP	1.68
3	Dug	0.38	43	MP	0.67
4	Dug	0.02	44	MP	0.82
5	Dug	0.22	45	MP	0.49
6	Dug	0.58	. 46	MP	1.21
7	Dug	0.12	47	MP	0.21
8	Dug	0.04	48	HP	0.20
9 .	Dug	0.04	49	HP	1.49
10	HP	1.47	50	Dug	0.66
11	Dug	1.95	51	Dug	0.06
12	Dug	0.38	52	Dug	0.05
13	HP	3.11	53	Dug	0.09
14	MP	0.22	54	Dug (No protection)	0.06
15	MP ·	2.32	55	Dug	0.05
16	Dug	1.52	56	Dug (No protection)	0.03
17	MP	0.04	57	Dug	0.06
18	Dug	0.47	58	Dug	0.04
19	Dug	0.07	59	Dug	0.02
20	HP	0.10	60	Dug	0.06
21	HP	0.74	61	Dug	0.24
22	Dug	0.60	62	Dug	3.30
23	HP	0.52	63	Dug	0.85
24	Dug	0.64	. 64	Dug	0.25
25	Dug	0.14	65	Dug	0.14
26	Dug (No protection)	0.17	66	HP	0.59
27	Dug	0.14	67	HP	0.12
28	Dug	0.42	68	Dug (No protection)	0.96
29	Dug	0.09	69	HP	0.30
30	Dug	0.04	70	Dug	0.03
31	Dug	0.03	3 71	Dug	0.08
32	Dug (No protection)	0.03		HP	1.64
33	HP	0.04		HP	0.14
34	HP	0.3		Dug	0.06
35	Dug	0.0		Dug	0.81
36	HP	0.3	-	HP	1.17
37	HP	0.0		HP	0.94
37	Dug	0.1		Dug	0.94
	Dug	0.0		Dug	0.36
39 40	Dug	0.0			

Ferrite(Fe) (Jan - Feb)

Chloride(CL) (Jan - Feb)

Well No	Туре	CL (mg/I)	Well No	Туре	CL (mg/l)
1	Dug (No protection)	19.30	41	HP	34.00
2	Dug (No protection)	22.40	42	MP	196.80
3	Dug	17.00	43	MP	9.00
4	Dug	320.00	44	MP	7.50
5	Dug	105.60	45	MP	5.50
6	Dug	18.90	46	MP	103.00
7	Dug	28.80	47	MP	58.50
8	Dug	11.80	48	HP	2.00
9	Dug	10.80	49	HP	1.60
10	HP	4.70	50	Dug	3.60
11	Dug	56.50	51	Dug	47.00
12	Dug	27.50	52	Dug	79.50
13	HP	30.75	53	Dug	2.00
14	MP	14.75	54	Dug (No protection)	1.20
15	MP	27.80	55	Dug	16.40
16	Dug	2.18	56	Dug (No protection)	1.00
17	MP	3.25	57	Dug	3.70
18	Dug	10.25	58	Dug	56.50
19	Dug	137.50	59	Dug	45.40
20	HP	82.50	60	Dug	74.00
21	HP	67.50	61	Dug	30.40
22	Dug	32.00	62	Dug	33.20
23	HP	4.50	63	Dug	18.50
24	Dug	2.20	64	Dug	34.20
25	Dug	0.30	65	Dug	14.8 0
26	Dug (No protection)	8.40	66	HP	29.40
27	Dug	10.50	67	HP	30.80
28	Dug	30.40	68	Dug (No protection)	64.80
29	Dug	10.00	69	HP	13.10
30	Dug	0.00	70	Dug	18.80
31	Dug	3.80	71	Dug	3.10
32	Dug (No protection)	16.10	72	HP	2.90
33	HP	3.30	73	HP	6.40
34	HP	10.30	74	Dug	12.30
35	Dug	28.00	75	Dug	13.10
36	HP	3.70	76	HP	5.40
37	HP	11.50	77	HP	15.10
38	Dug	42.50	78	Dug	25.00
39	Dug	40.80	79	Dug	
40	Dug	21.30			

Well No	Туре	Ca (mg/l)	Well No	Туре	Ca (mg/l)
1	Dug (No protection)	0.48	41	HP	1.60
2	Dug (No protection)	1.23	42	MP	25.00
3	Dug	0.03	43	MP	1.35
4	Dug	0.03	44	MP	0.65
5	Dug	0.65	45	MP	1.10
6	Dug	0.10	46	MP	12.60
7	Dug	0.03	47	MP	38.80
8	Dug	0.02	48	HP	0.43
9	Dug	0.02	49	HP	0.28
10	HP	11.80	50	Dug	0.39
11	Dug	0.75	51	Dug	2.04
12	Dug	4.20	52	Dug	3.50
13	HP	1.27	53	Dug	0.68
14	MP	3.07	54	Dug (No protection)	0.92
15	MP	2.05	55	Dug	2.55
16	Dug	2.18	56	Dug (No protection)	0.48
17	MP	2.24	57	Dug	3.00
18	Dug	0.12	58	Dug	4.95
19	Dug	1.85	59	Dug	75.00
20	HP	2.96	60	Dug	3.12
21	HP	3.53	61	Dug	0.13
22	Dug	4.52	62	Dug	1.80
23	HP	12.40	63	· Dug	2.33
24	Dug	4.06	64	Dug	.0.79
25	Dug	0.98	65	Dug	3.20
26	Dug (No protection)	1.36	66	HP	1.02
27	Dug	0.68	67	HP	1.15
28	Dug	18.00	. 68	Dug (No protection)	3.14
29	Dug	0.94	69	HP	0.41
30	Dug	0.41	70	Dug	2.76
31	Dug	2.00	71	Dug	
32	Dug (No protection)	1.50	72	HP	
33	HP	0.31	73	HP	
34	HP	0.36	5 74	Dug	
35	Dúg	13.40	75	Dug	
36	HP	0.38	3 76	HP	
37	HP	0.4	<u> </u>	HP	0.28
38	Dug	7.5	6 78	Dug	0.01
39	Dug	8.3	6 79	Dug	0.00
40	Dug	15.0	4		

Calcium(Ca) (Jan - Feb)

Well No	Туре	Mg (mg/l)	Well No	Туре	Mg(mg/l)
1	Dug (No protection)	0.16	41	HP	0.52
2	Dug (No protection)	0.37	42	MP	8.00
3	Dug	0.86	43	MP	0.45
4	Dug	0.84	44	MP	0.25
5	Dug	0.55	45	MP	0.35
6	Dug	0.77	46	MP	3.20
7	Dug	1.88	47	MP	18.95
8	Dug	0.82	48	HP	0.14
9	Dug	1.76	49	HP	0.10
10	HP	11.17	50	Dug	0.13
11	Dug	0.23	51	Dug	0.63
12	Dug	1.33	52	Dug	1.20
13	HP	0.76	53	Dug	0.22
14	MP	0.89	54	Dug (No protection)	0.29
15	MP	0.76	55	Dug	0.85
16	Dug	0.73	56	Dug (No protection)	0.16
17	MP	0.65	57	Dug	1.00
18	Dug	0.03	58	Dug	1.50
19	Dug	0.54	59	Dug	21.00
20	HP	0.85	60	Dug	0.92
21	HP	1.08	61	Dug	0.68
22	Dug	1.55	62	Dug	0.35
23	HP	0.25	63	Dug	0.44
24	Dug	0.11	64	Dug	0.15
25	Dug	0.11	65	Dug	0.58
26	Dug (No protection)	1.00	66	HP	0.20
27	Dug	0.30	67	HP	0.25
28	Dug	6.00	68	Dug (No protection)	0.59
29	Dug	0.72	69	HP	0.14
30	Dug	0.13	70	Dug	0.89
31	Dug	0.50	71	Dug	
32	Dug (No protection)	0.39	72	HP	
33	HP	0.90	73	HP	4.15
34	HP	0.12	74	Dug	
35	Dug	3.91	75	Dug	
36	HP	0.23	76	HP	
37	HP	0.15	77	HP	0.15
38	Dug	2.38	78	Dug	0.00
39	Dug	2.60	79	Dug	0.01
40	Dug	4.40		<u>×</u>	

Magnesium(Mg) (Jan - Feb)

COD (Jan - Feb)

Well No	Туре	COD (mg/l)	Well No	Туре	COD (mg/l)
1	Dug (No protection)	12.00	41	HP	7.00
2	Dug (No protection)	13.00	42	MP	14.00
3	Dug	14.00	43	MP	7.00
4	Dug	40.00	44	MP	9.00
5	Dug	14.00	45	MP	7.00
6	Dug	15.00	46	MP	14.00
7	Dug .	26.00	47	MP	14.00
8	Dug	38.00	48	HP	11.00
9	Dug	16.00	49	HP	7.00
10	HP	18.00	50	Dug	25.00
11	Dug	15.00	51	Dug	10.00
12	Dug	14.00	52	Dug	35.00
13	HP	1.00	53	Dug	30.00
14	MP	4.00	54	Dug (No protection)	37.00
15	MP	17.00	55	Dug	47.00
16	Dug	10.00	56	Dug (No protection)	0.00
17	MP	5.00	57	Dug	0.00
18	Dug	1.00	58	Dug	5.00
19	Dug	21.00	59	Dug	94.00
20	HP	38.00	60	Dug	0.00
21	HP	5.00	61	Dug	7.00
22	Dug	14.00	62	Dug	0.00
23	HP	2.00	63	Dug	16.00
24	Dug	16.00	64	Dug	15.00
25	Dug	5.00	65	Dug	15.00
26	Dug (No protection)	1.00	66	HP	12.00
27	Dug	20.00	67	HP	8.00
28	Dug	37.00	68	Dug (No protection)	33.50
29	Dug	20.00	69	HP	5.00
30	Dug	13.00	70	Dug	0.00
31	Dug	42.00	71	Dug	36.00
32	Dug (No protection)	12.00	72	HP	32.00
33	HP	1.00	73	HP	0.00
34	HP	20.00	74	Dug	1.00
35	Dug	12.00	75	Dug	7.00
36	HP	0.00	76	HP	0.00
37	HP	2.00	77	HP	0.00
38	Dug	3.00	78	Dug	13.00
39	Dug	6.00	79	Dug	3.00
40	Dug	0.00)		

COD (Jan - Feb)

Well No	Туре	COD (mg/l)	Well No	Туре	COD (mg/l)
1	Dug (No protection)	12.00	41	HP	7.00
2	Dug (No protection)	13.00	42	MP	14.00
3	Dug	14.00	43	MP	7.00
4	Dug	40.00	44	MP	9.00
5	Dug	14.00	45	MP	7.00
6	Dug	15.00	46	MP	14.00
7	Dug .	26.00	47	MP	14.00
8	Dug	38.00	48	HP	11.00
9	Dug	16.00	49	HP	7.00
10	HP	18.00	50	Dug	25.00
11	Dug	15.00	51	Dug	10.00
12	Dug	14.00	52	Dug	35.00
13	HP	1.00	53	Dug	30.00
14	MP	4.00	54	Dug (No protection)	37.00
15	MP	17.00	55	Dug	47.00
16	Dug	10.00	56	Dug (No protection)	0.00
17	MP	5.00	57	Dug	0.00
18	Dug	1.00	58	Dug	5.00
19	Dug	21.00	59	Dug	94.00
20	HP	38.00	60	Dug	0.00
21	HP	5.00	61	Dug	7.00
22	Dug	14.00	62	Dug	0.00
23	HP	2.00	63	Dug	16.00
24	Dug	16.00	64	Dug	15.00
25	Dug	5.00	65	Dug	15.00
26	Dug (No protection)	1.00	66	HP	12.00
27	Dug	20.00	67	HP	8.00
28	Dug	37.00	68	Dug (No protection)	33.50
29	Dug	20.00	69	HP	5.00
30	Dug	13.00	70	Dug	0.00
31	Dug	42.00	71	Dug	36.00
32	Dug (No protection)	12.00		HP	32.00
33	HP	1.00		HP	0.00
34	HP	20.00		Dug	1.00
35	Dug	12.00		Dug	7.00
36	HP	0.00		HP	0.00
37	HP	2.00		HP	0.00
38	Dug	3.00		Dug	13.00
39	Dug	6.00		Dug	3.00
40	Dug	0.00)		

Well No	Туре	C.G (nos/ml)	Well No	Туре	C.G (nos/ml)
1	Dug (No protection)	5	41	HP	0
2	Dug (No protection)	4	42	MP	0
3	Dug	2	43	MP	0
4	Dug	3	44	MP	0
5	Dug	2	45	MP	0
6	Dug	5	46	MP	0
7	Dug	. 3	47	MP	0
8	Dug	5	48	HP	0
9	Dug	0	49	HP	0
10	HP	0	50	Dug	0
11	Dug	0	51	Dug	0
12	Dug	0	52	Dug	0
13	HP	4	53	Dug	5
14	MP	0	54	Dug (No protection)	3
15	MP	0	55	Dug	3
16	Dug	0	56	Dug (No protection)	4
17	MP	5	57	Dug	2
18	Dug	5	58	Dug	. 5
19	Dug	0	59	Dug	5
20	HP	C	60	Dug	0
21	HP		61	Dug	0
22	Dug		62	Dug	5
23	HP	3	63	Dug	0
24	Dug	4	64	Dug	5
25	Dug		65	Dug	4
26	Dug (No protection)		66	HP	5
27	Dug		67	HP	5
28	Dug		5 68	Dug (No protection)	4
29	Dug		5 69	HP	5
30	Dug		5 70	Dug	5
31	Dug		2 71	Dug	5
32	Dug (No protection)		5 72	HP	4
33	HP		5 73	HP	5
34	HP		5 74	Dug	5
35	Dug		5 75	Dug	5
36	HP		5 76	HP	5
37	HP		5 77	HP	<u> </u>
38	Dug		5 78	Dug	<u> </u>
39	Dug		0 79	Dug	C
40	Dug		0		

Coliform Group (Jan - Feb)

Location : Kulen Mountain Water

Taking Date : Date of Analyze:05 June 97

Name of Analyst Mr. :Chan Seng La

ITEMS	Unit	Result	Japan Standard for	International WHO
			Water Supply	Standard 1984
1.Temperature	Centigrade	29.6		
2.pH		8.43	5.8 -8.6	6.5 - 8.5
3.Color		Yo +Mo	< 5	15 color units
4. Electric Conductivity	ms/m	1.18		
5.Hardness	mg /l	1.31	< 300	
6.Nitrite (NO2-)	mg /l	0.01	< 10	10,000
7.Nitrate(NO3-)	mg /l	3.96	< 10	
8.Ammonium (NH4+)	mg /l	0.11		
9.Manganese (Mn+)	mg /l	0.3	< 0.05	< 0.1
10.Ferrite (Fe+)	mg /l	0.01	< 0.3	< 0.3
11.Chloride(Cl-)	mg /l	1.4	< 200	< 250
12.Calcium(Ca+)	mg /l	0.33	< 300	
13.Magnesium (Mg+)	mg /l	0.11	< 300	
14.COD		9		
15.General Bacteria	nos/milli liter	0	< 100	
16.Coliform Group	nos/milli liter	0	0	0

T		JAN	FEB	MAR	APR	MAY	JUN	JUL
Item	Unit	JAN		Test Date29/3/97	Test Date22/4/97	Test Date15/5/97	Test Date10/6/97	
			Test Date20/2/97 28.40		30.00	30.10	28.70	
1.Temperature	°C						8.20	
2.pH			6.30	Yo+Mo	Yo+Mo	Yo+Mo	Yo+Mo	
3.Color			Yo+Mo				7.10	
4.ElectricvConductivi	ms/m		1.76					
5.Hardness	mg/l		4.97			<u> </u>		
6.Nitrit(NO2)	mg/l		0.00					
7 Nitrate(NO3)	mg/l		0.44					
8.Amonium(NH4)	mg/l		0.14	0.14				
9.Manganess(Mn)	mg/l		0.00	0.20				
	mg/l		1.25	0.92	0.70			
10.Ferrite(Fe)			1.40	14.00) 10.90	0.00		
11.Chloride(Cl-)	mg/l		1.34		3.70	1.13	9.70	
12.Calcium(Ca)	mg/l		0.39		1.90	0.3	5 4.80	
13.Magnesium(Mg)	mg/l		27.0			0 81.00	89.00	
14.COD	mg/l						0.00	
15.General Bacteria	nos/ml		11.0					
16.Coliform Group	nos/ml		5.0	0 3.0	0.0		<u> </u>	

SURFACE WATER QUALITY TEST SIEM REAP RIVER (JAN 1997- JULY 1997)

ltem	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL
			Test Date20/2/97	Test Date29/3/97	Test Date22/4/97	Test Date15/5/97	Test Date10/6/97	
1.Temperature	°C		29.80	31.70	31.00	30.10		
2.pH			7.32	8.20	7.80	10.18	8.20	
3.Color			Yo+Mo	Yo+Mo	Yo+Mo	Yo+Mo	Yo+Mo	·····
4.ElectricvConductivi	ms/m		1.88	7.60	3.90	2.35		
5.Hardness	mg/l		7.75	8.00	10.20	7.80		
6.Nitrit(NO2)	mg/l		0.003	0.003	0.010		0.02	
7.Nitrate(NO3)	mg/l		2.64	1.70	0.30		0.00	
8.Amonium(NH4)	mg/l		0.32	0.13	0.50	0.18	0.17	
9.Manganess(Mn)	mg/l		0.10	0.10	0.00	0.00		
10.Ferrite(Fe)	mg/l		0.16	0.18	0.20	0.43	0.19	
11.Chloride(Cl-)	mg/l		1.60	8.70	7.60	4.20	9.70	
12.Calcium(Ca)	mg/l		2.10	3.75	4.00	2.00	10.50	<u></u>
13.Magnesium(Mg)	mg/l		0.60	2.19	1.70	0.65	7.40	
14.COD	mg/l		10.00	20.00	50.00	72.00	20.00	
15.General Bacteria	nos/ml		20.00	10.00	8.00	80.00	3.00	
16.Coliform Group	nos/ml		0.00	0.00	0.00	3.00	0.00	

SURFACE WATER QUALITY TEST WEST BARAY (JAN 1997- JULY 1997)

SURFACE WATER QUALITY TEST TONLE SAP LAKE (JAN 1997- JULY 1997)

ltem	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL
			Test Date20/2/97	Test Date29/3/97	Test Date22/4/97	Test Date15/5/97	Test Date10/6/97	
1.Temperature	°C		30.10	31.20	31.50	30.10	32.00	
2.pH			6.66	7.70	8.70	10.38	9.70	
3.Color			Yo+Mo	Yo+Mo	Yo+Mo	Co+Mo+Yo	Co+Mo+Yo	
4.ElectricvConductivi	ms/m		4.46	5.50	16.70	14.94	18.00	
5.Hardness	mg/l		17.50	19.20	8.75	9.75	7.10	
6.Nitrit(NO2)	mg/l		0.00	0.01	0.02	0.00	0.00	
7:Nitrate(NO3)	mg/l		5.28	0.90	0.3	0	0	
8.Amonium(NH4)	mg/l		0.13	0.13	0.30	0.55	0.10	
9.Manganess(Mn)	mg/l		0.00	0.10	0.00	0.00	0.10	
10.Ferrite(Fe)	mg/l		0.74	0.79	0.50	0.80	0.60	
11.Chloride(Cl-)	mg/l		2.00	15.00	37.00	35.50	17.00	
12.Calcium(Ca)	mg/l		4.65	6.20	2.90	3.70	8.50	
13.Magnesium(Mg)	mg/l		1.40	2.90	0.51	0.67	6.00	
14.COD	mg/l		18.00	20.00	70.00	115.00	90.00	
15.General Bacteria	nos/ml		8.00	5.00	20.00	70.00	50.00	
16.Coliform Group	nos/ml		11.00	12.00	17.00	40.00	31.00	· · · · · · · · · · · · · · · · · · ·

Table 3.2	Chemical	Analysis	for \	WT 4	Groundwater Sample	

Item	Unit	Result	Standard	Standard of U.S.A		
			in Japan	Recommende d Limit	Tolerance Limit	
Ca	mg/liter	0.33	<300			
Mg	mg/liter	0.06	<300			
Total Fe	mg/liter	0.14	< 0.3	<0.3	-	
Na	mg/liter	5.04	<200			
Mn	mg/liter	< 0.05	< 0.05	< 0.05	-	
Total Hardness	mg/liter	1.07	<300			
Color			<5	15	-	
As	mg/liter	0.007	< 0.01	< 0.01	0.05	
Cr ⁶⁺	mg/liter	<0.01	< 0.05	-	0.05	
Pb	mg/liter	<0.01	< 0.05	-	0.05	
Se	mg/liter	<0.01	< 0.01	-	0.01	
Total Hg	mg/liter	<0.0005	< 0.0005	-	0.002	
Cd	mg/liter	<0.01	< 0.01	-	0.01	
Zn	mg/liter	<0.01	<1.0	, 5	-	
Cu	mg/liter	< 0.01	<1.0	1.0		
CN	mg/liter	<0.01	< 0.01	0.01	0.2	
Tri-Haro- Methan	mg/liter	0.016	<0.1			

(test was carried oun in Japan)

					-		平成10年3月18日		
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		計	量	乱	明	書			
	n+ +					〒 330-8508 埼玉県大	宫市北续11-297; 三三		
*		了休式会社	株式会社 御中			電話 (048) 645-1864 FAX (048) 641-8688			
						三菱マテリアル株式:			
						濃度計量証明事業埼	玉県知事登録第304号		
						環境計量士 大	内敏病		
	年2月26日	受付番号		Z 980	2080	報告番号	23857		
	式料	WT4 井戸水					検定方法		
カルシウム	mg∕ℓ	0.33					JIS K 0101 49.3		
マグネシウム	mg/ l	0.06					JIS K 0101 50.3		
全鉄	mg∕ℓ	0.14			,		JIS K 0102 57.3		
ナトリウム	mg∕ℓ	5.04					JIS K 0102 48.1		
マンガン	mg/ l	< 0.05					JIS K 0102 56.4		
全硬度	mg/ l	1.07					JIS K 0101 15.1.3		
色度	(度)	dept. and 1					厚生省令第69号		
)素 	mg/ l	# ⁶⁶⁶ - 0.00 1					JIS K 0102 61.2		
「価クロム	mg∕ℓ	< 0.01					JIS K 0102 65.2.1		
戊 口 	mg∕ℓ	NT AF <0.01					JIS K 0102 54.4		
:レン	mg∕ℓ	< 0.01					JIS K 0102 67.2		
^公 水銀	mg∕ℓ	< 0.0005					環示59号付表3		
ッドミウム	mg/ l	< 0.01			_		JIS K 0102 55.4		
巨鉛	mg∕ℓ	< 0.01					JIS K 0102 53.3		
可	mg/ ℓ	< 0.01					JIS K 0102 52.4		
/アン	mg/ l	< 0.01					JIS K 0102 38.1.2 38.3		
小口メタン生成能	mg/ ℓ	0.016					JIS K0125 5.2		
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Taking Date:27 Jun 97No.61 Location of Sample Taken:WT3Date of Analysis:28 Jun 1997Name of Analysts:Mr. Chan seng la

ITEMS	Unit	Result	Japan Standard for	International WHO	
			Water Supply	Standard 1984	
1.Temperature	Centigrade	30.00			
2.pH		5.00	5.8 -8.6	6.5 - 8.5	
3.Color		Yo+Mo	< 5	15 color units	
4.Electric Conductivity	ms/m	5.24			
5.Hardness	mg /l	5.43	< 300		
6.Nitrite (NO2-)	mg /l		< 10	10,000	
7.Nitrate(NO3-)	mg /l		< 10		
8.Ammonium (NH4+)	mg /l	0.32			
9.Manganese (Mn+)	mg /l	0.50		< 0.1	
10.Ferrite (Fe+)	mg /l	1.20		< 0.3	
11.Chloride(Cl-)	mg /l	2.90	< 200	< 250	
12.Calcium(Ca+)	mg /l	1.47	< 300		
13.Magnesium (Mg+)	mg /l	0.42	< 300		
14.COD					
15.General Bacteria	nos/milli liter	0	< 100		
16.Coliform Group	nos/milli liter	0	0	0	

No : 6,7,14 No chemical substance for analyze

WT3

平成9年2月19日

計量証明書

日本工営株式会社 コンサルタント事業本部 御中

〒330 埼玉県大宮市北穀和戸202 電話 (048) 642-7438 FAX (048) 642-7438 三変マテリアル株式会社[[総合預死所 決度計量証明事業埼玉県知事登録第504号

環境計量士 杉 本 利 夫

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